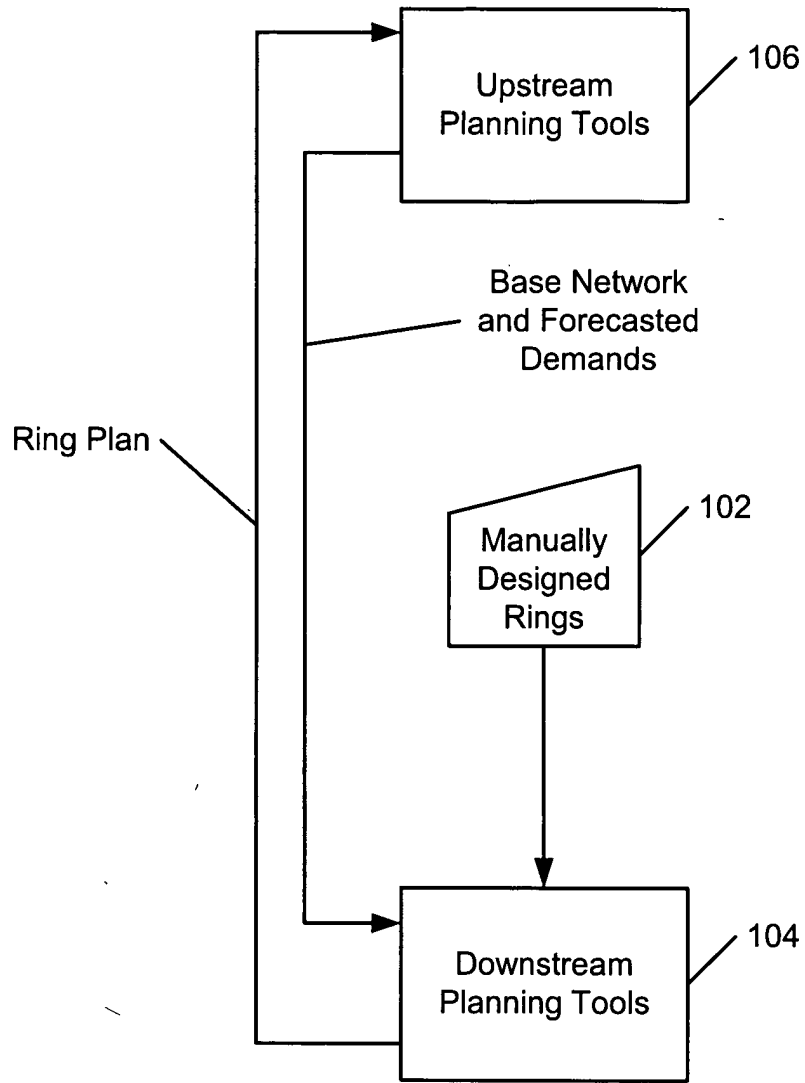
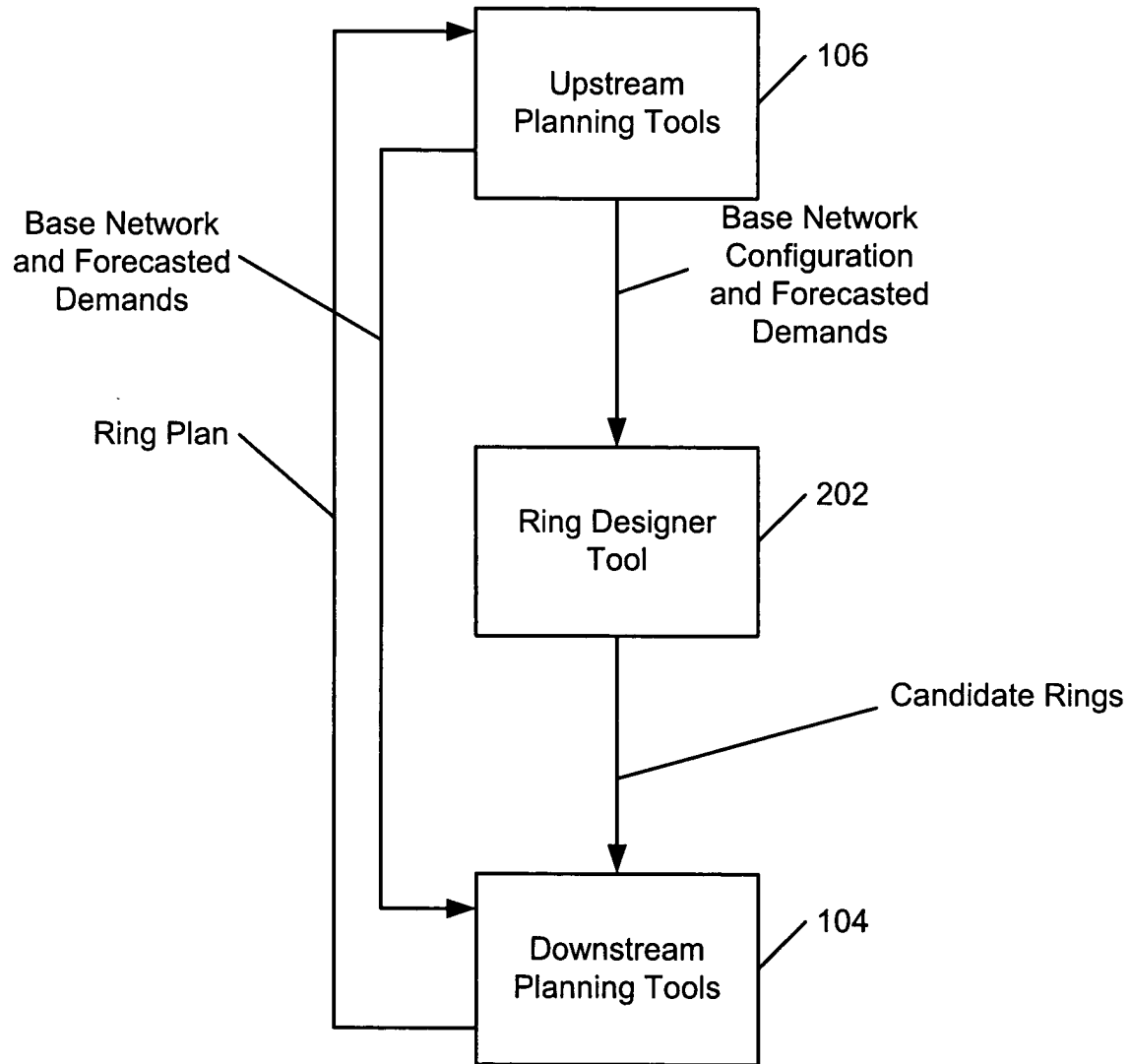


**100**



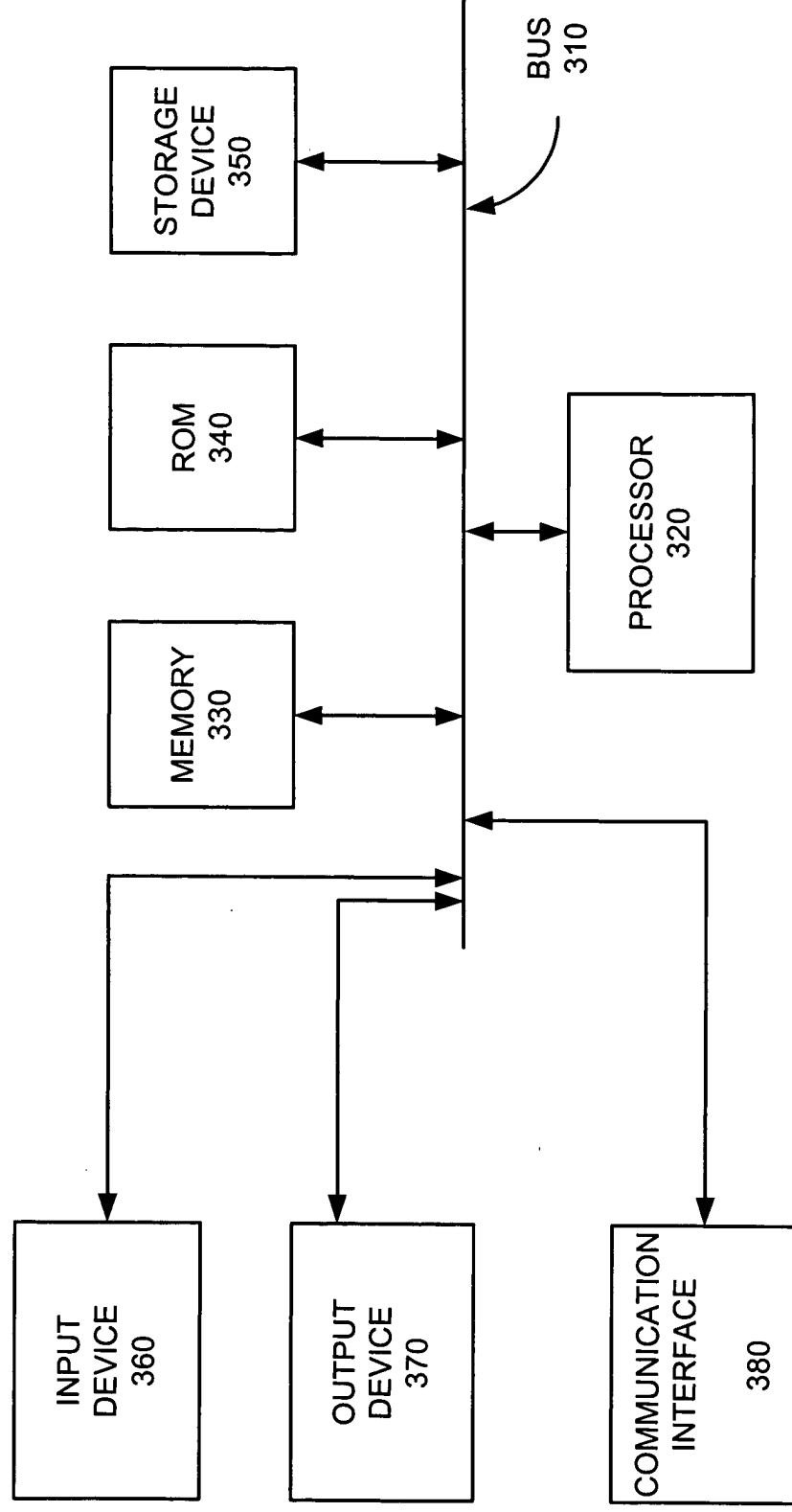
**Fig. 1**

**200**

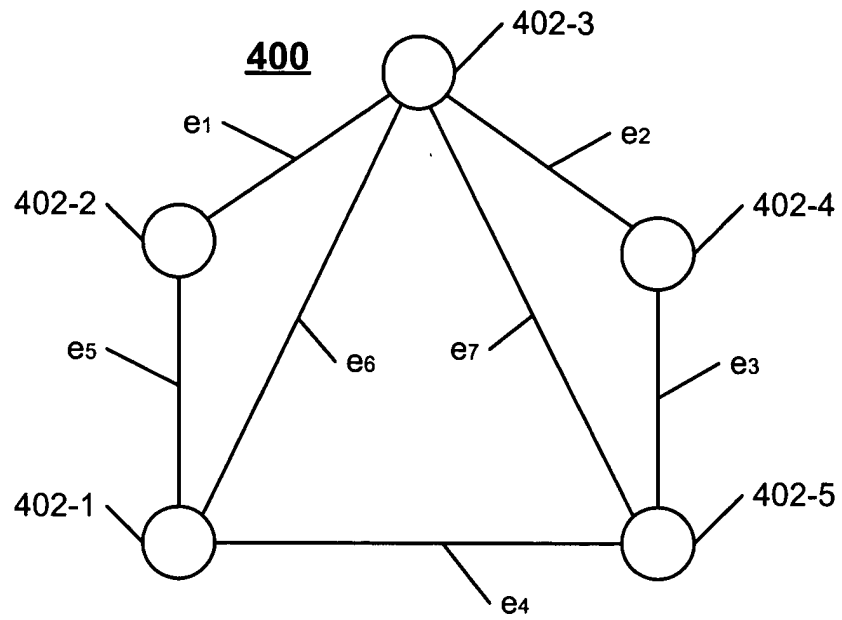


**Fig. 2**

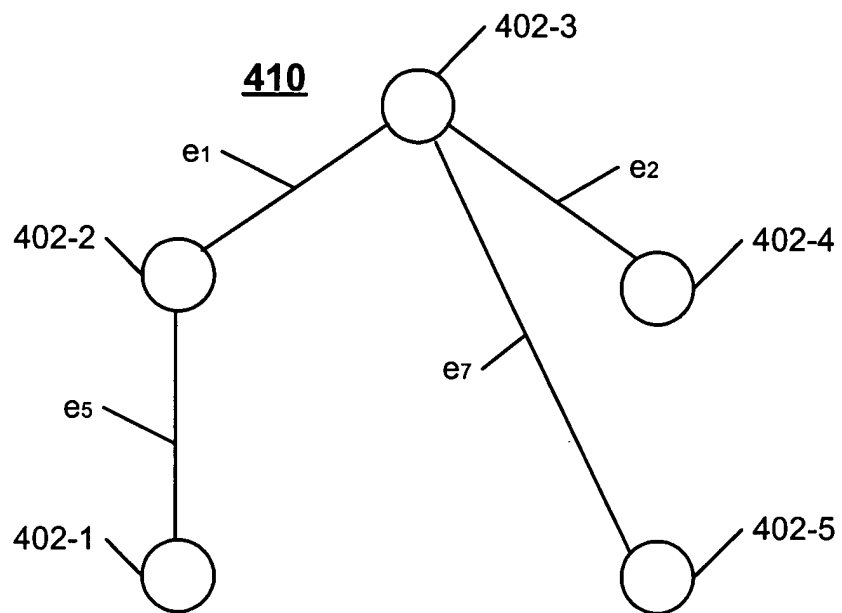
300



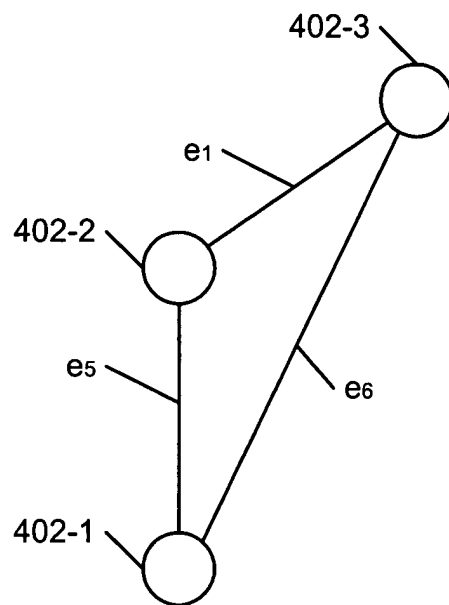
**FIG. 3**



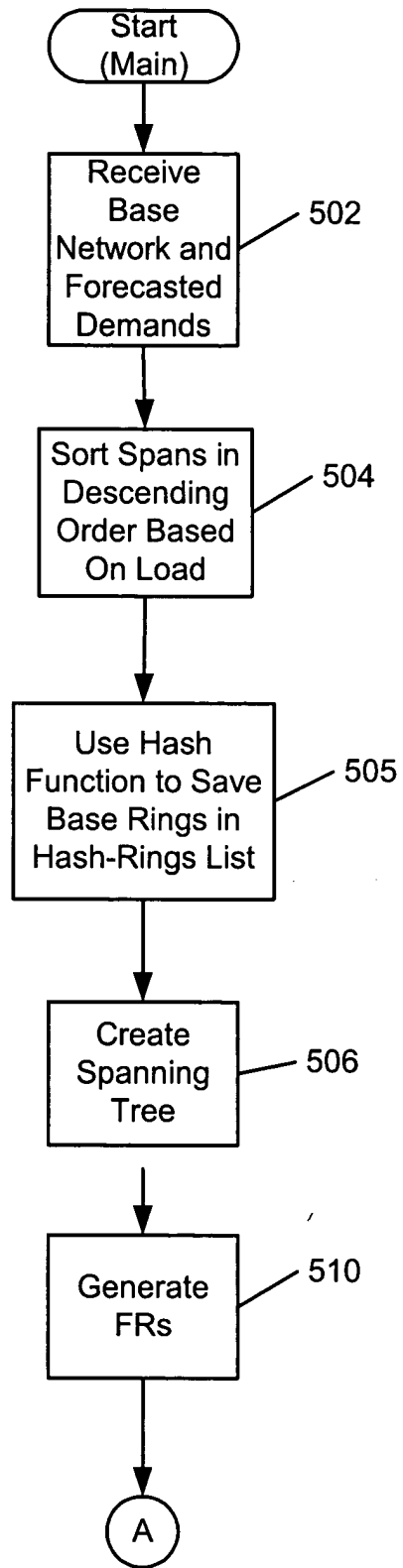
**Fig. 4A**



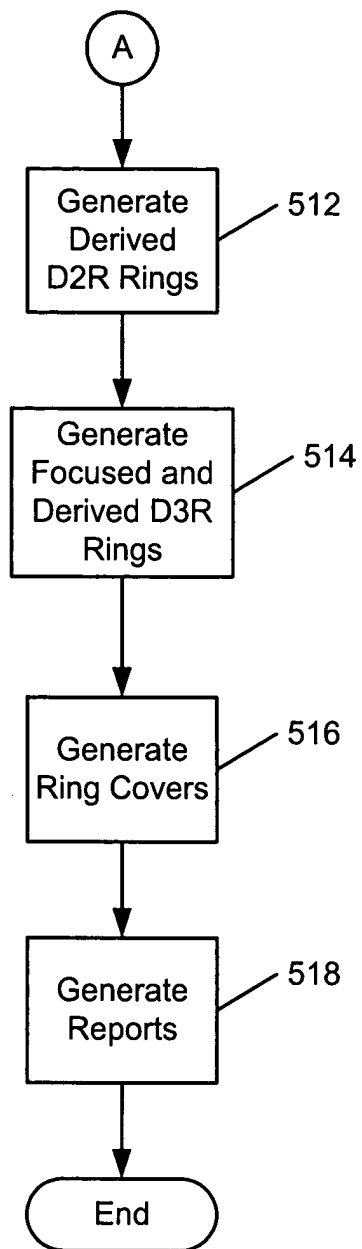
**Fig. 4B**



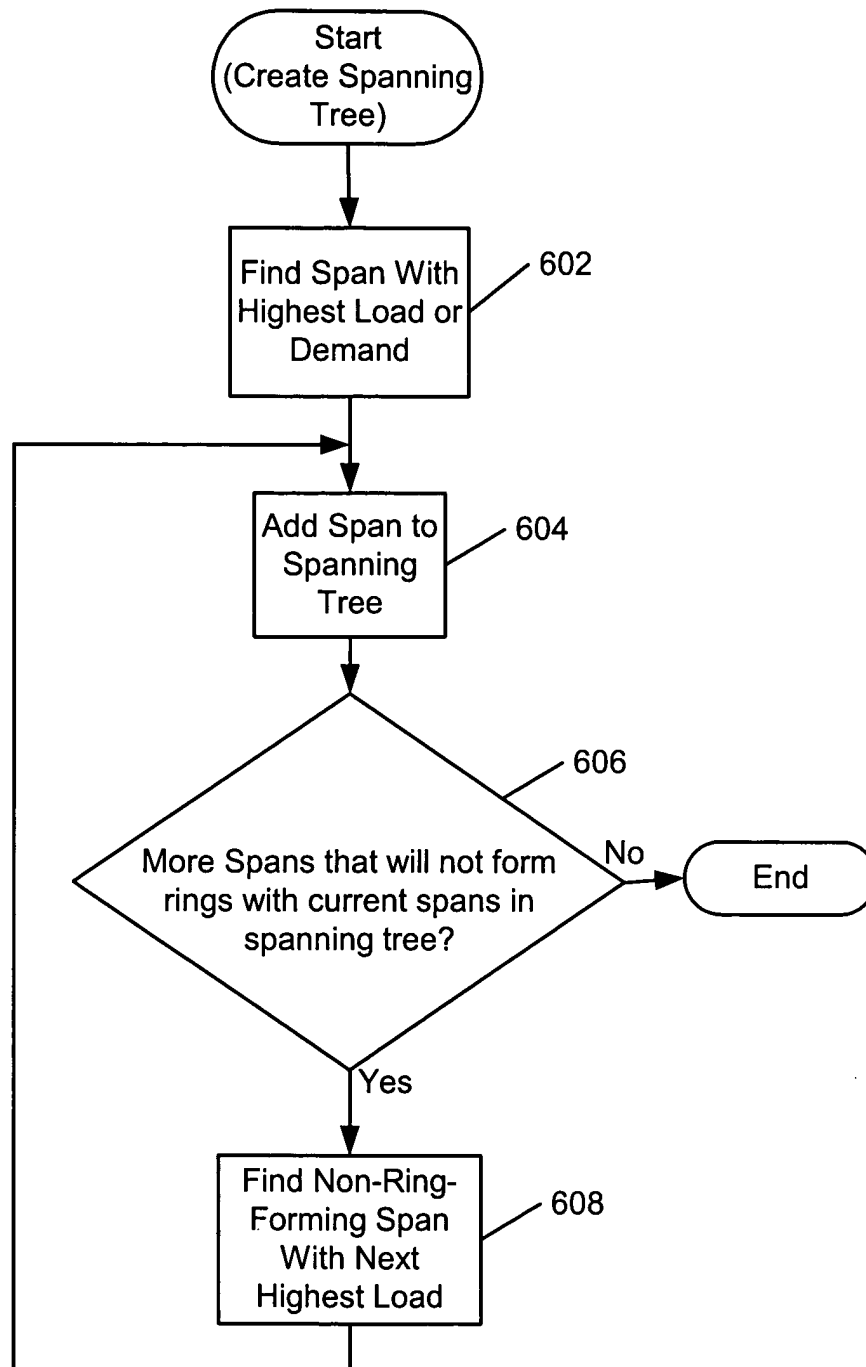
**Fig 4C**



**Fig. 5A**

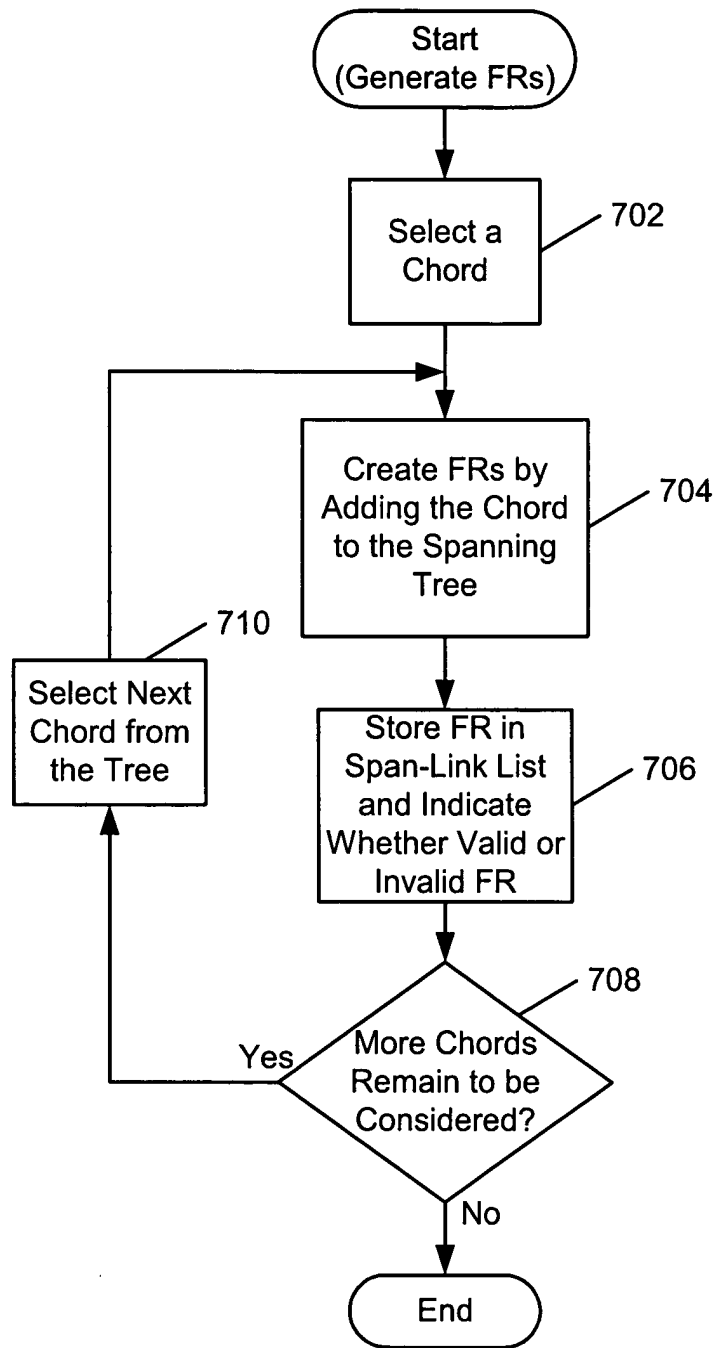


**Fig. 5B**

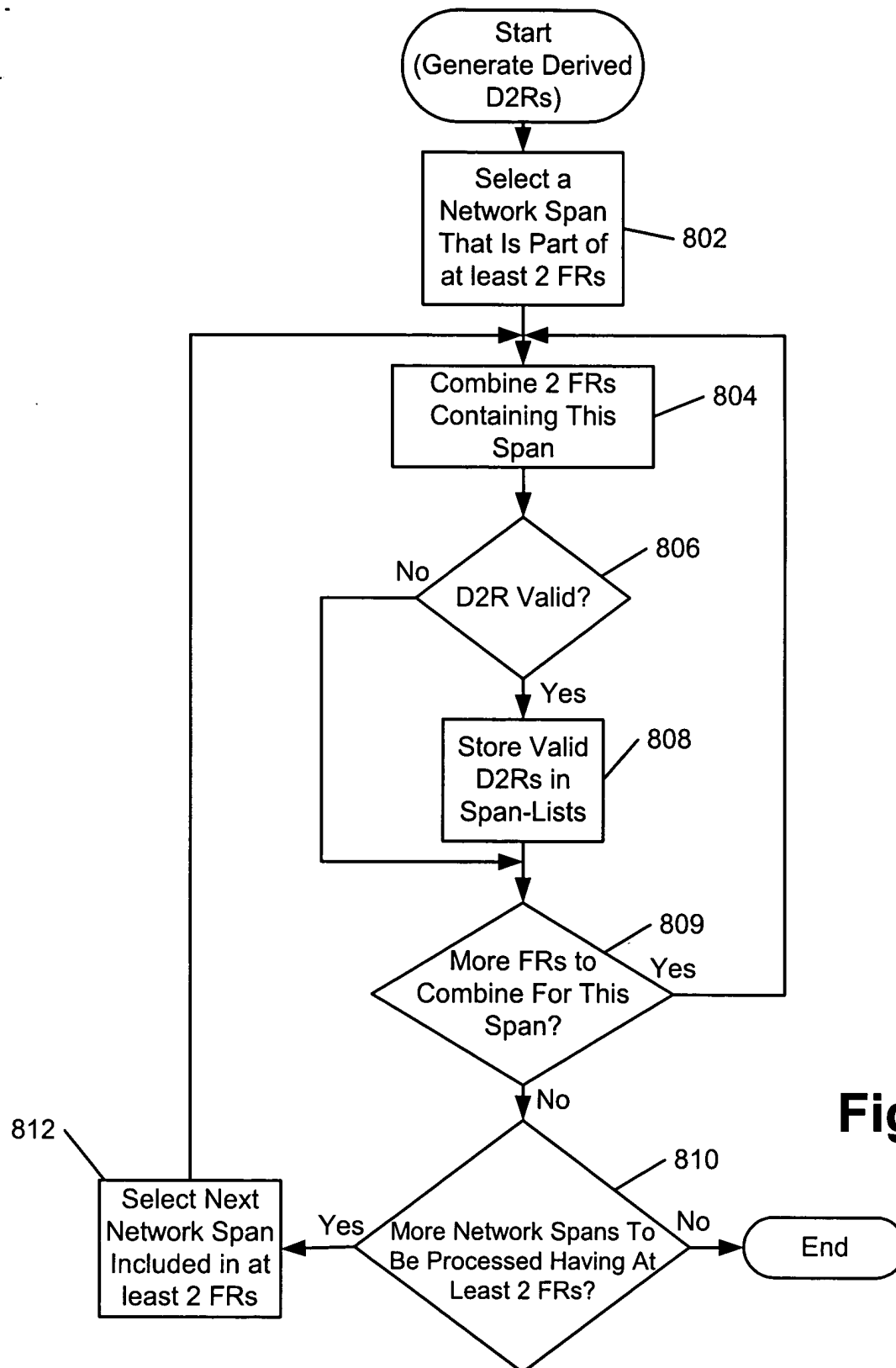


**Fig. 6**

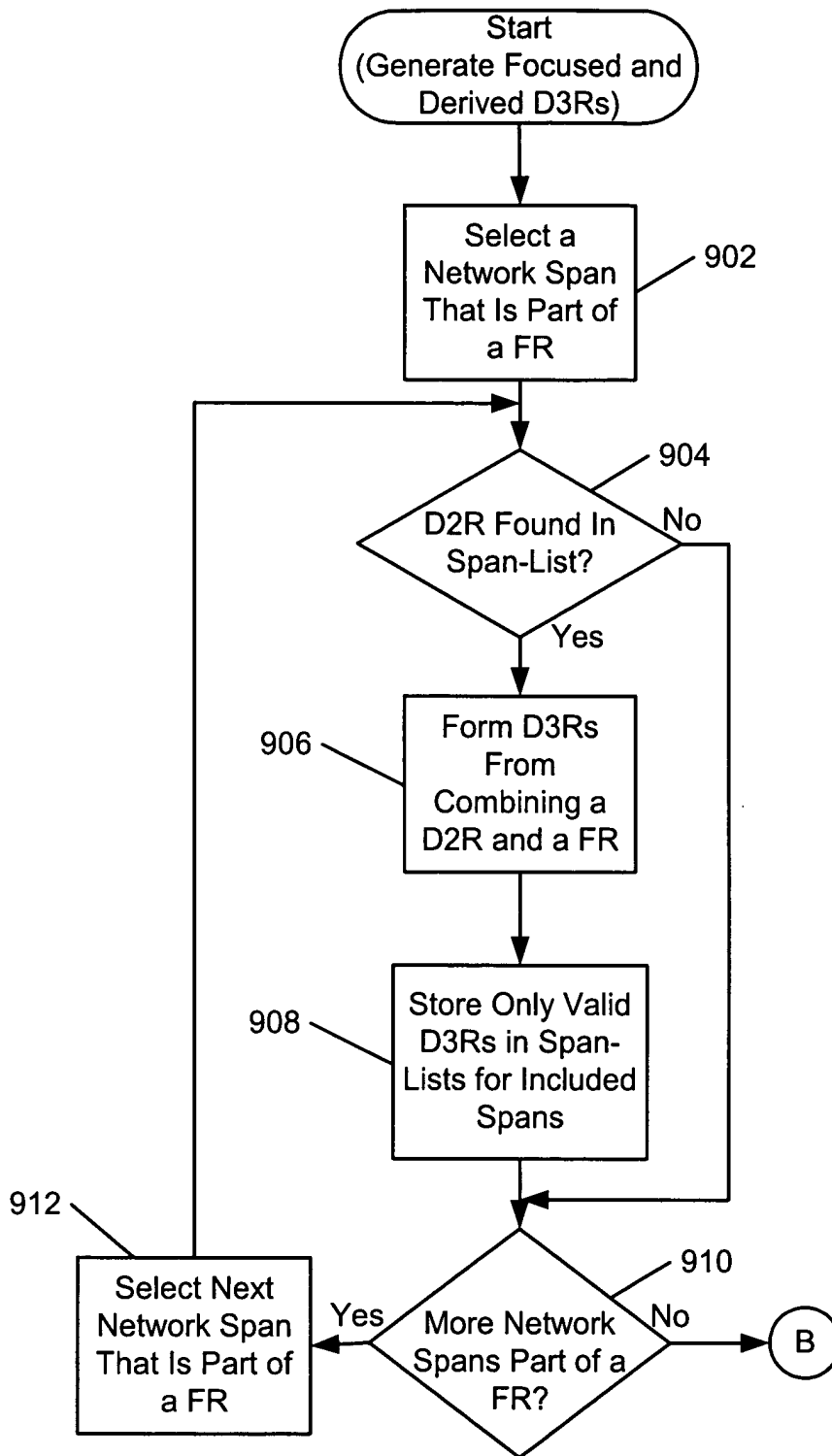




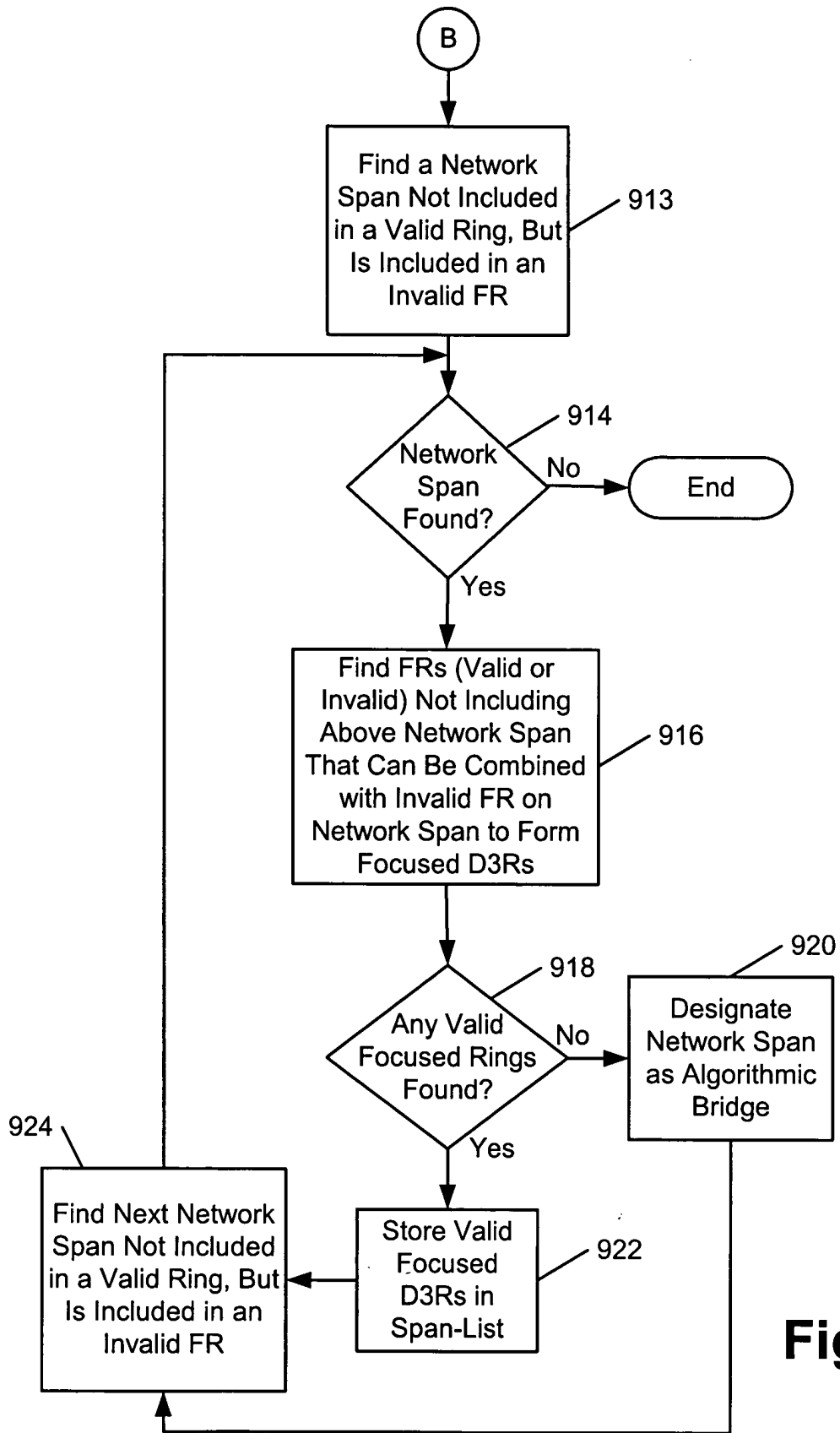
**Fig. 7**



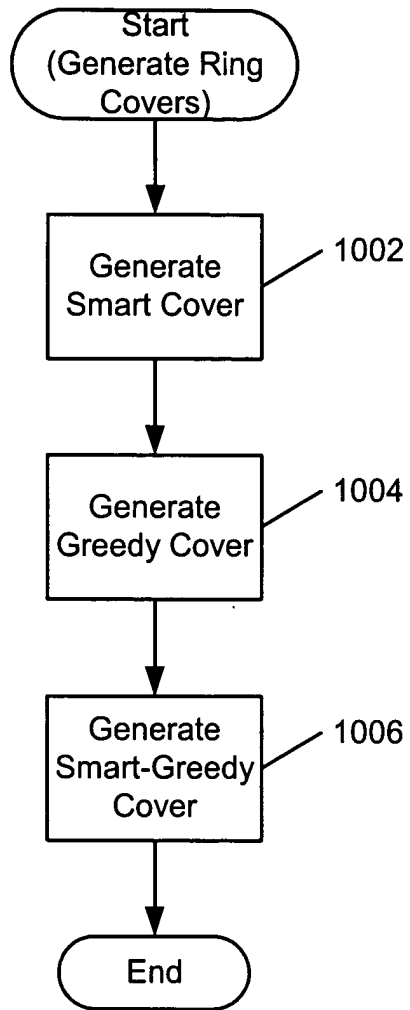
**Fig. 8**



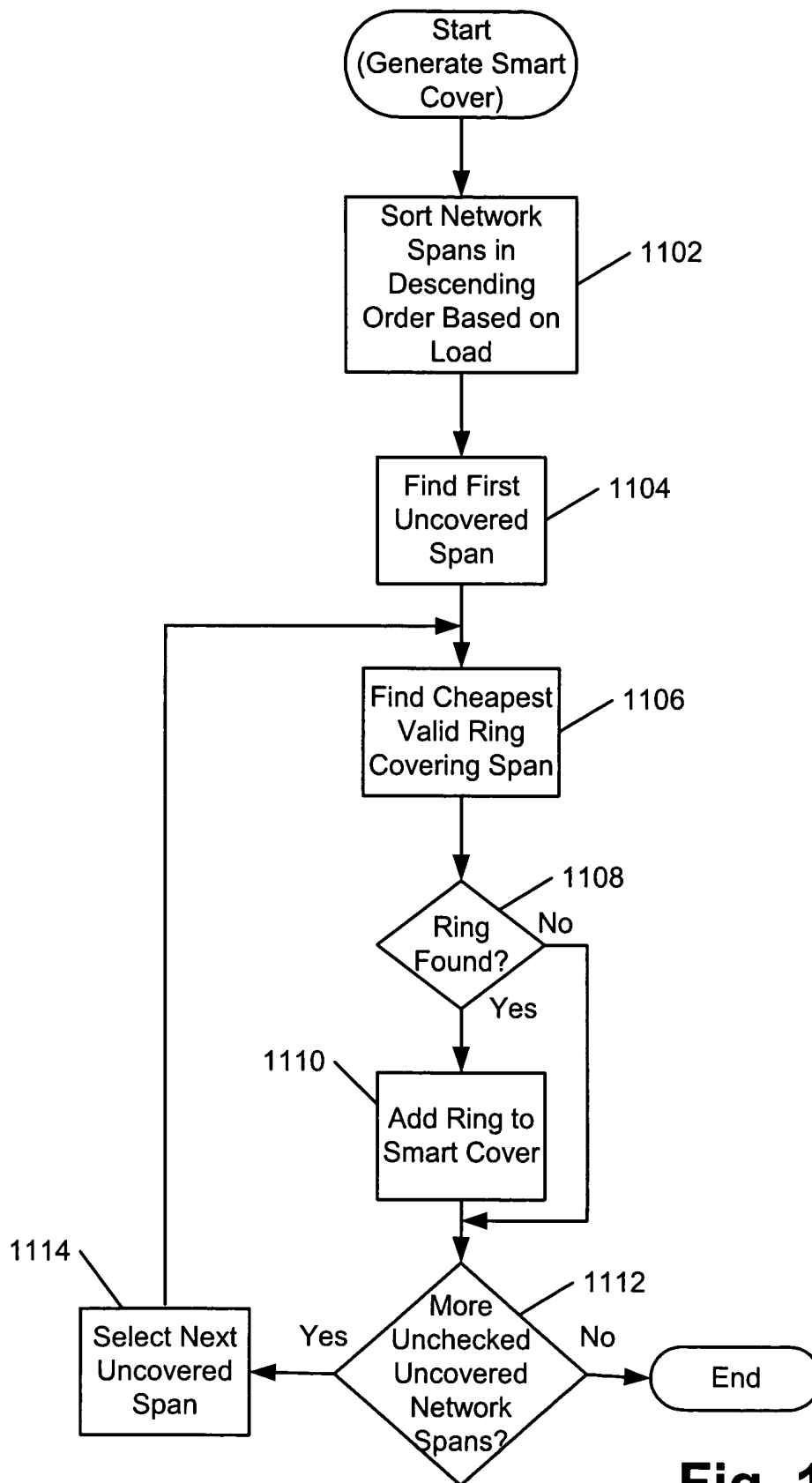
**Fig. 9A**



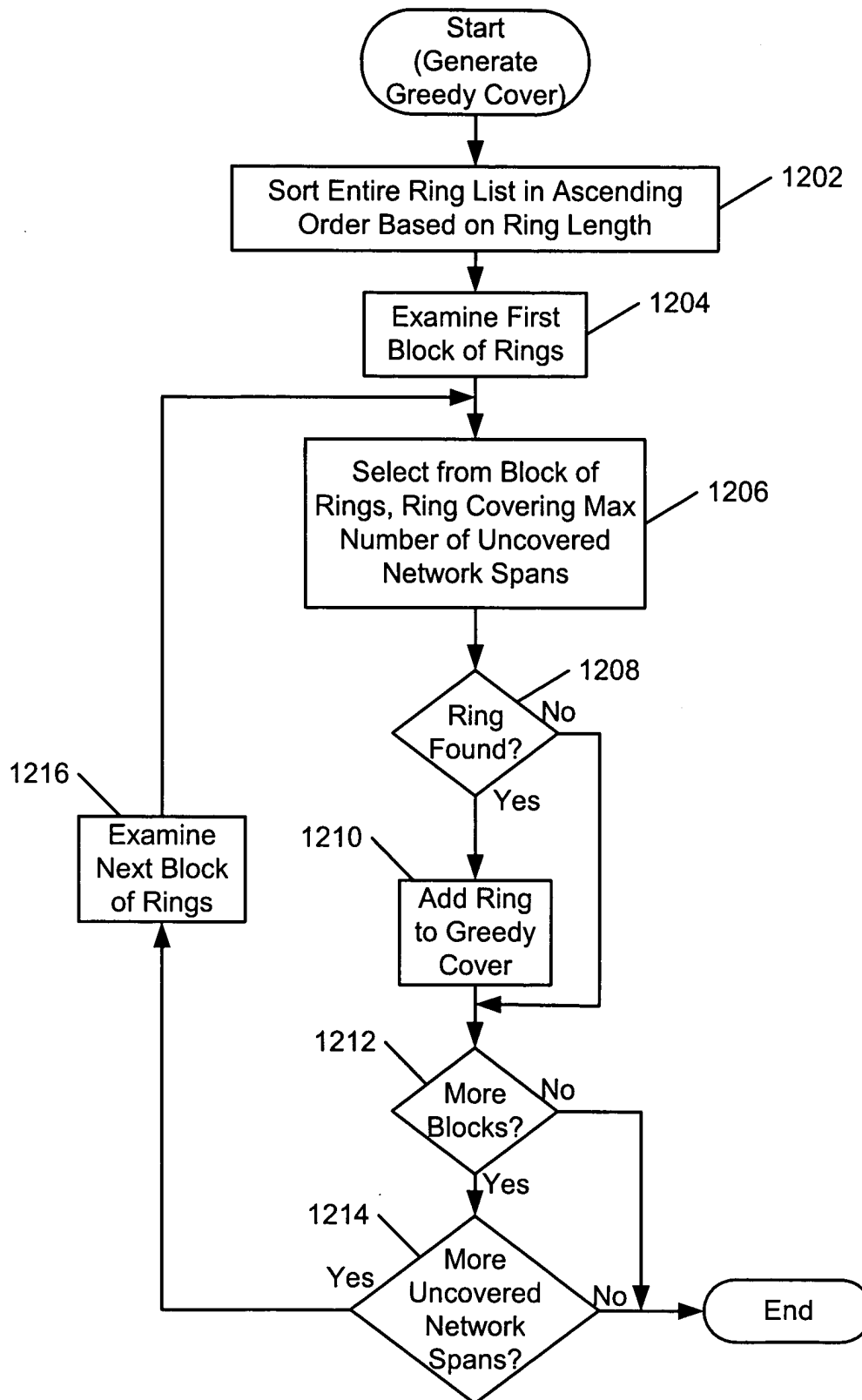
**Fig. 9B**



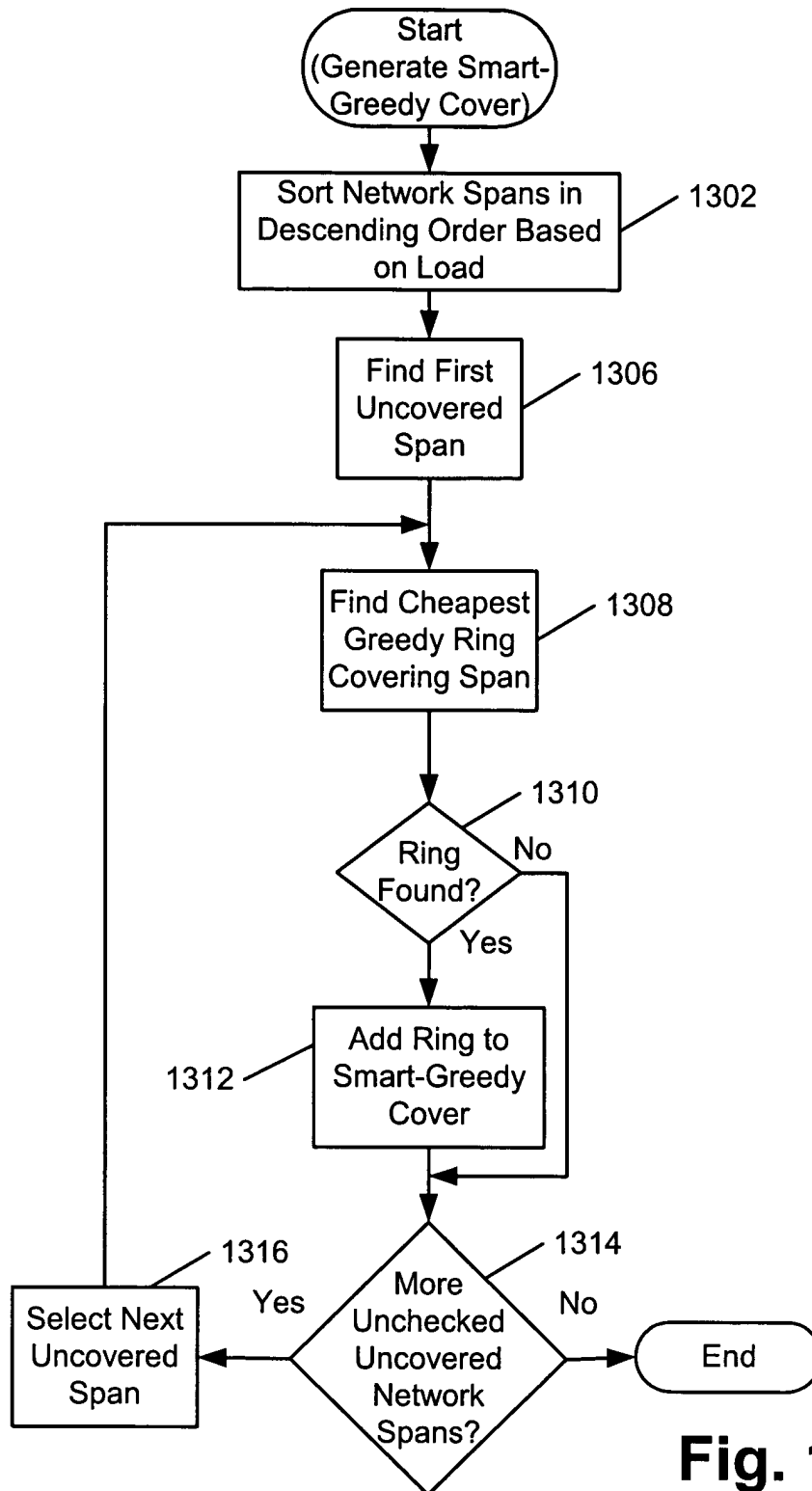
**Fig. 10**



**Fig. 11**

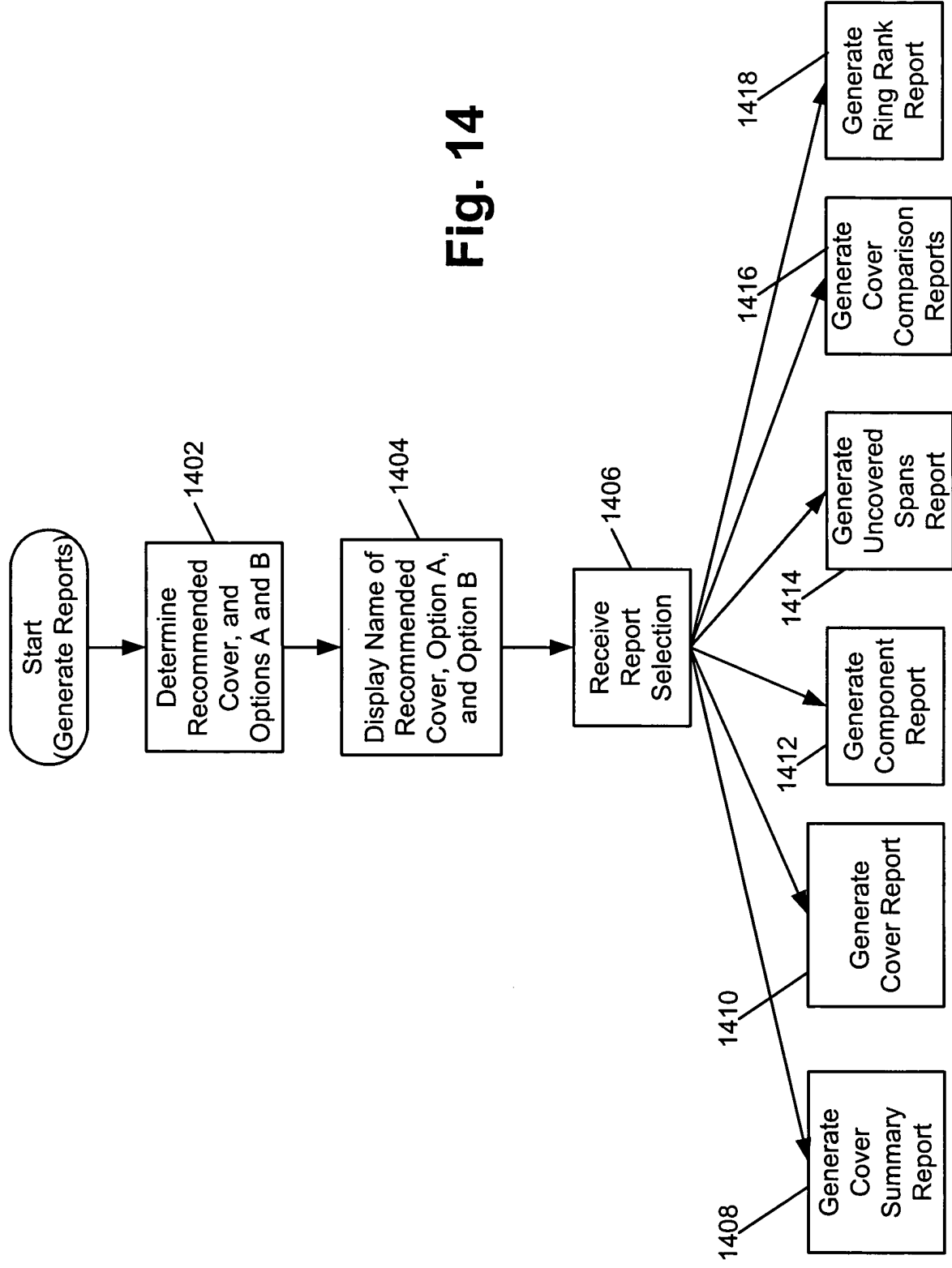


**Fig. 12**

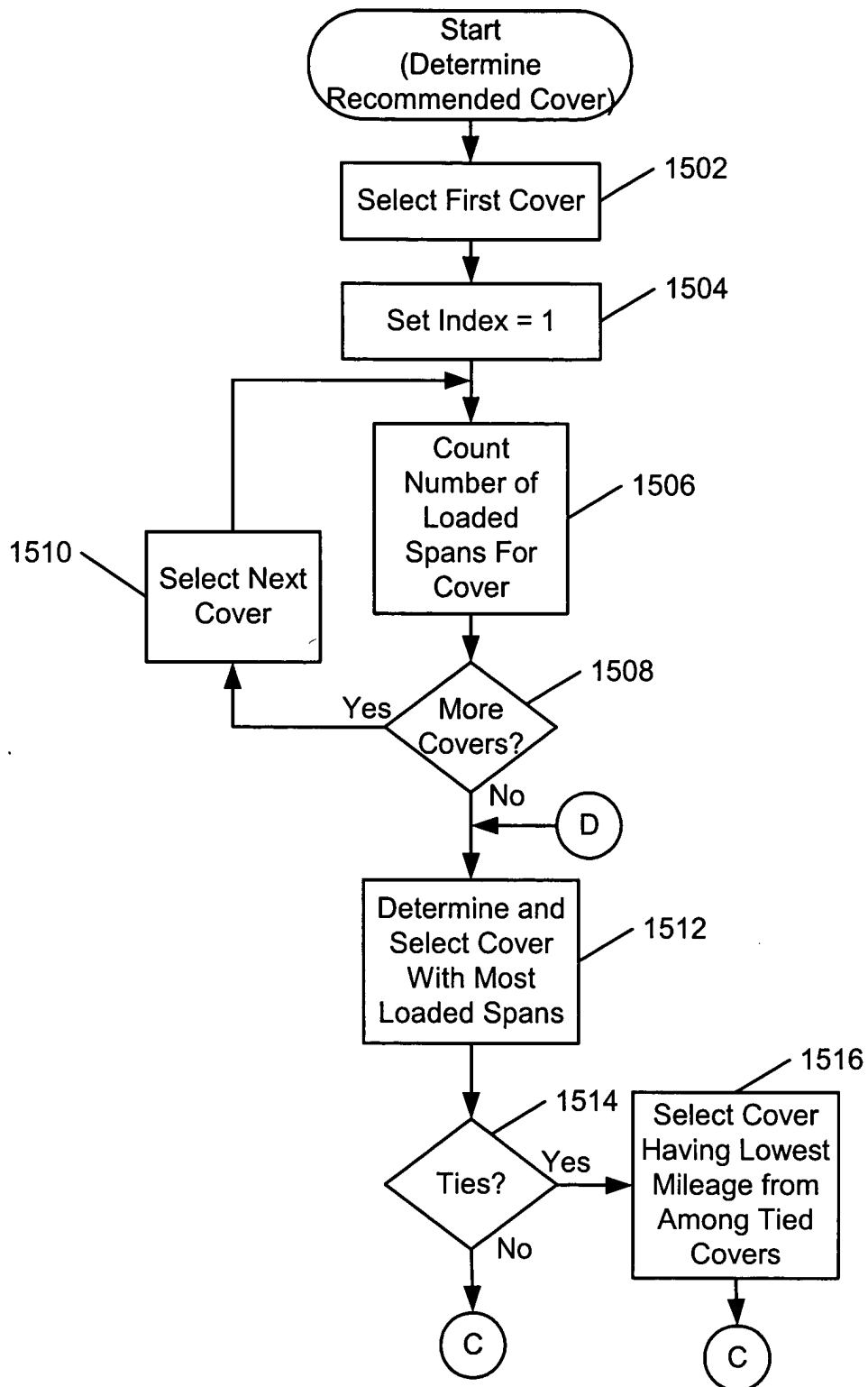


**Fig. 13**

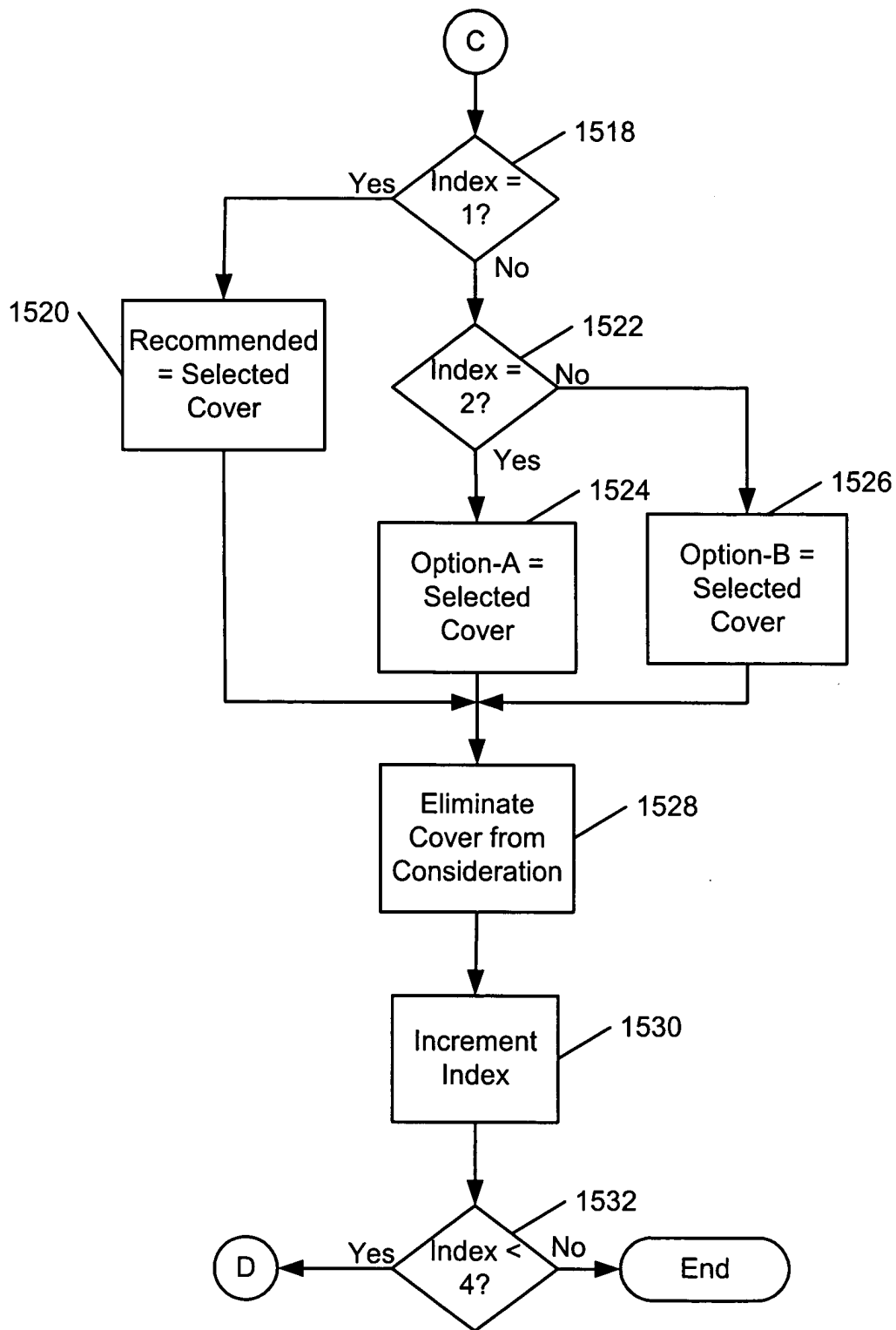




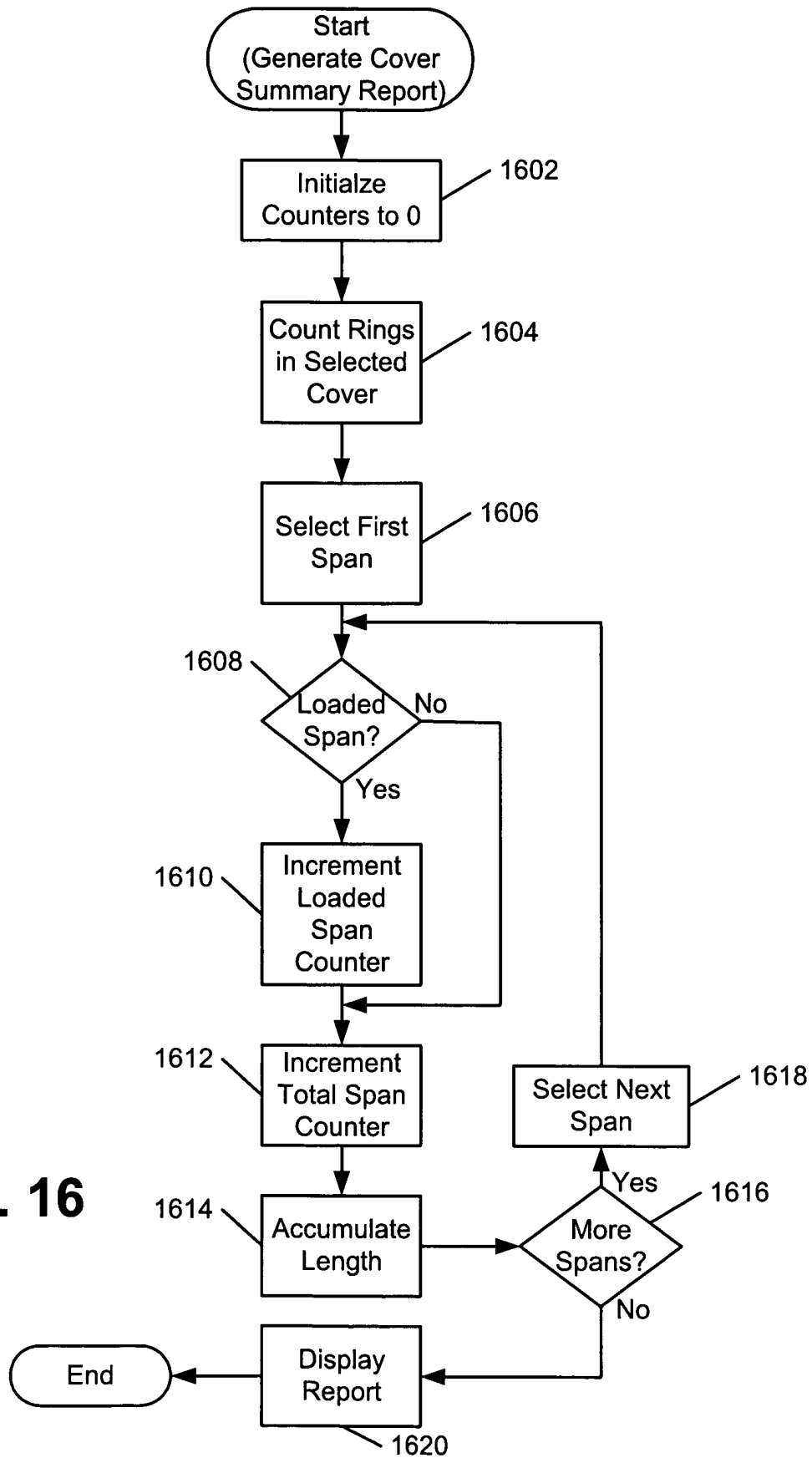
**Fig. 14**



**Fig. 15A**



**Fig. 15B**



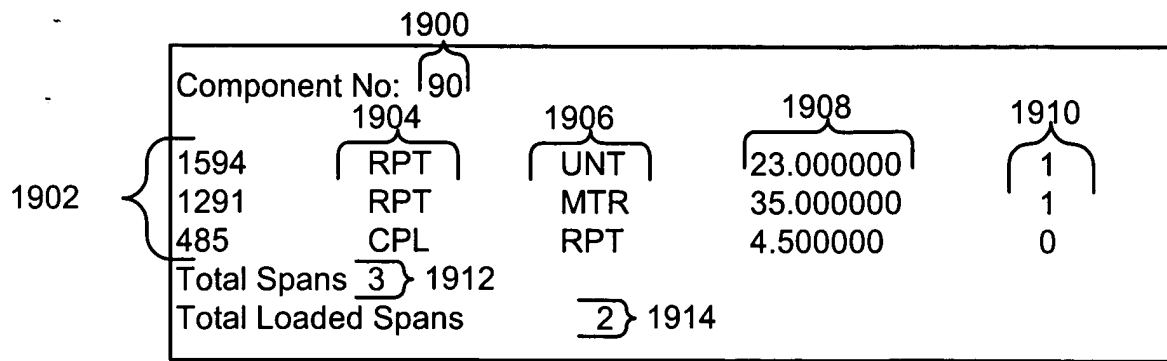
**Fig. 16**

Cover Summary		
Total Rings:	349	Total Distance (in miles): 201,817.7
Total Spans:	885	Loaded Spans: 645

**Fig. 17**

Ring ID	Nodes	Length (in miles)
A65D200040	5	1,703.7

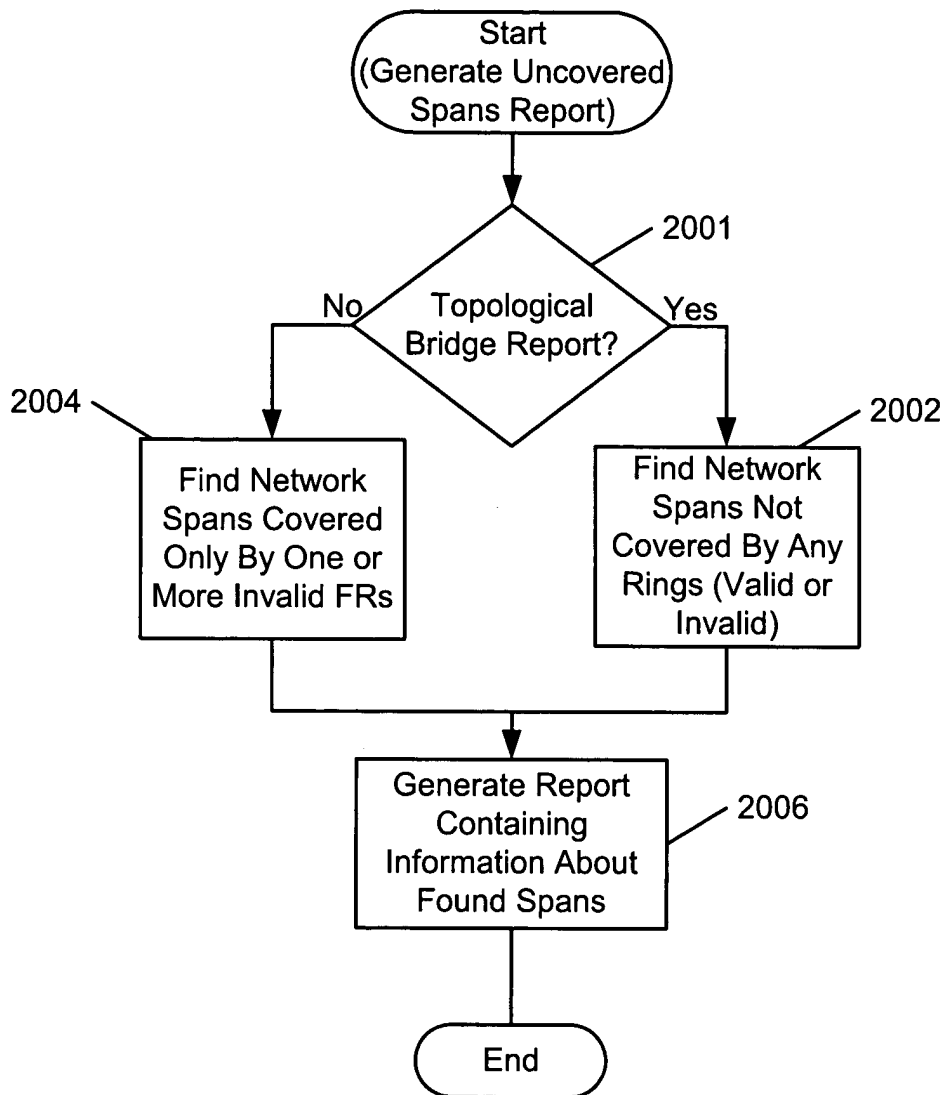
**Fig. 18**



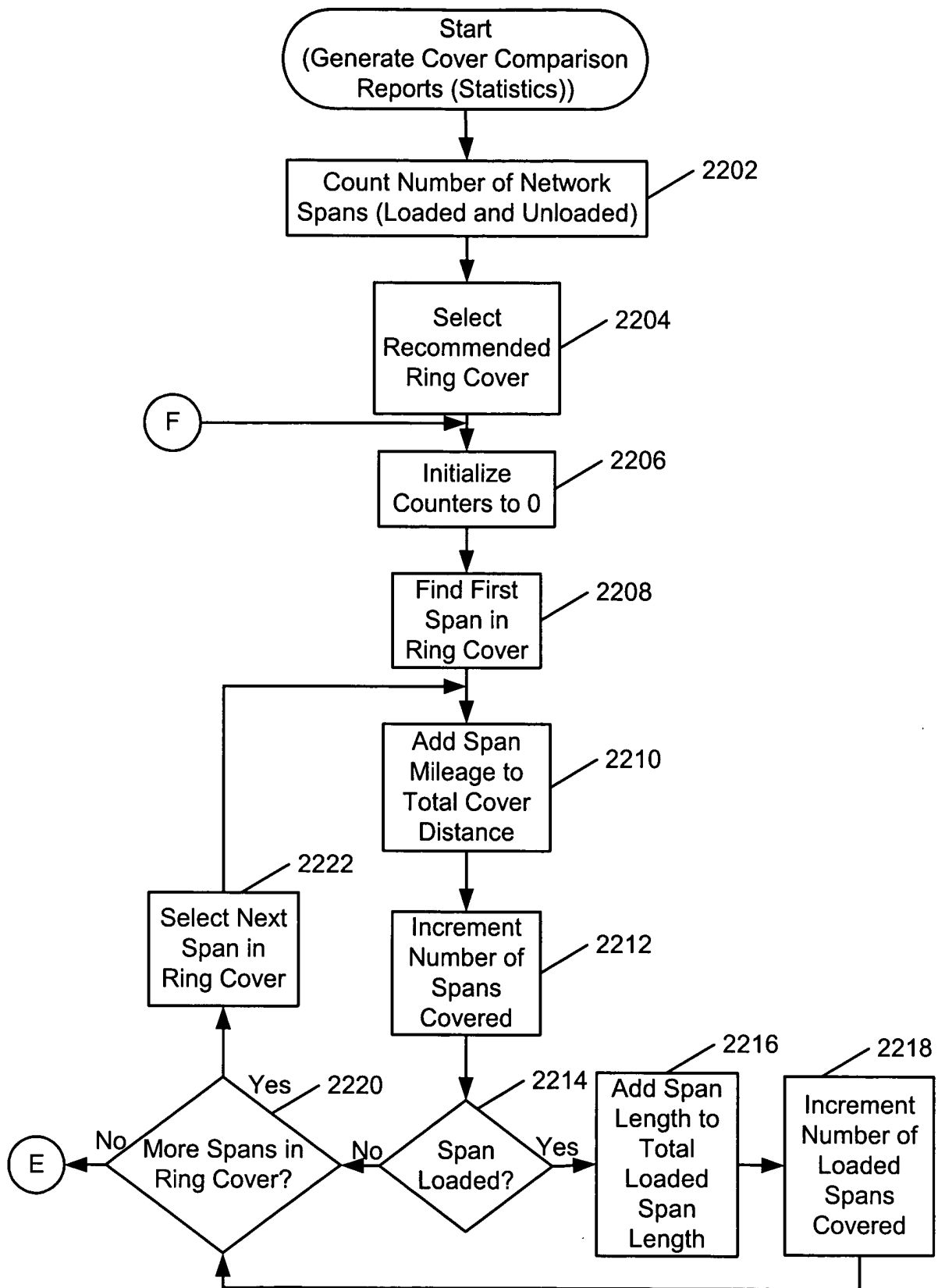
**Fig. 19**

TOPOLOGICAL BRIDGES				
Span ID	From	To	Length (in miles)	Load
615	DNG	PSI	20.90	668
1367	NOR	ZNR	0.10	273
1666	WTP	SDW	16.00	228
262	BOS	BSN	0.10	203
981	HTW	SDW	0.50	164
840	GLE	GLN	5.50	161

**Fig. 21**

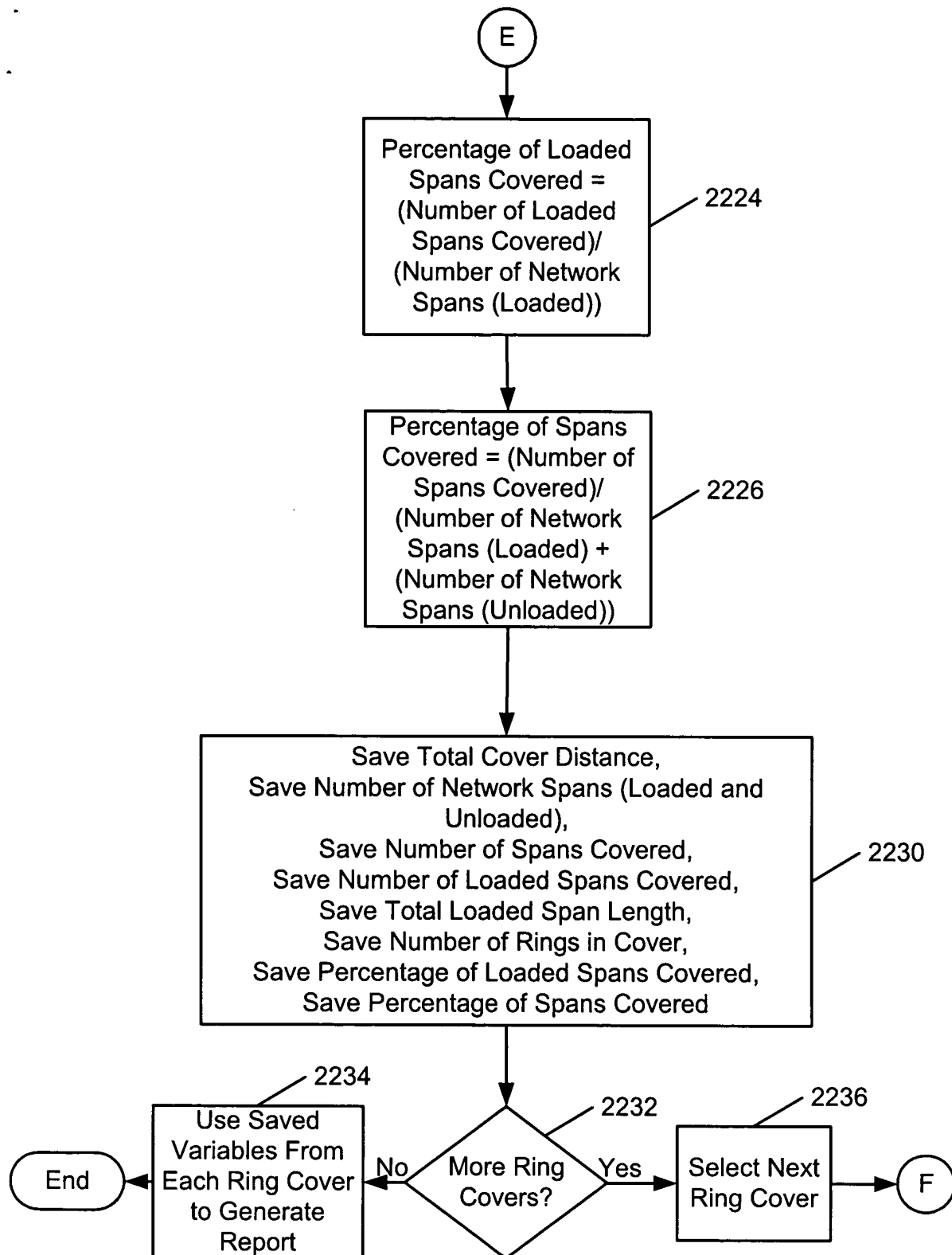


**Fig. 20**



**Fig. 22A**

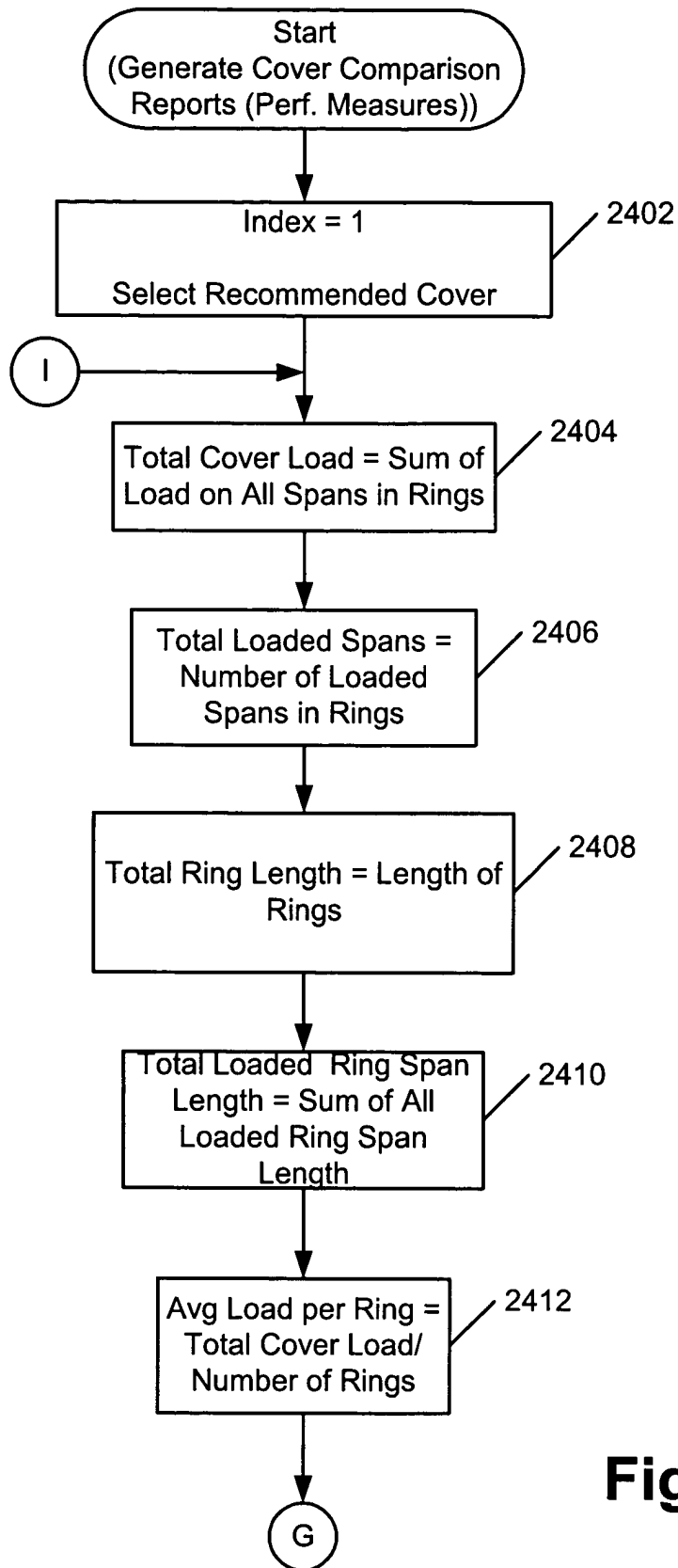




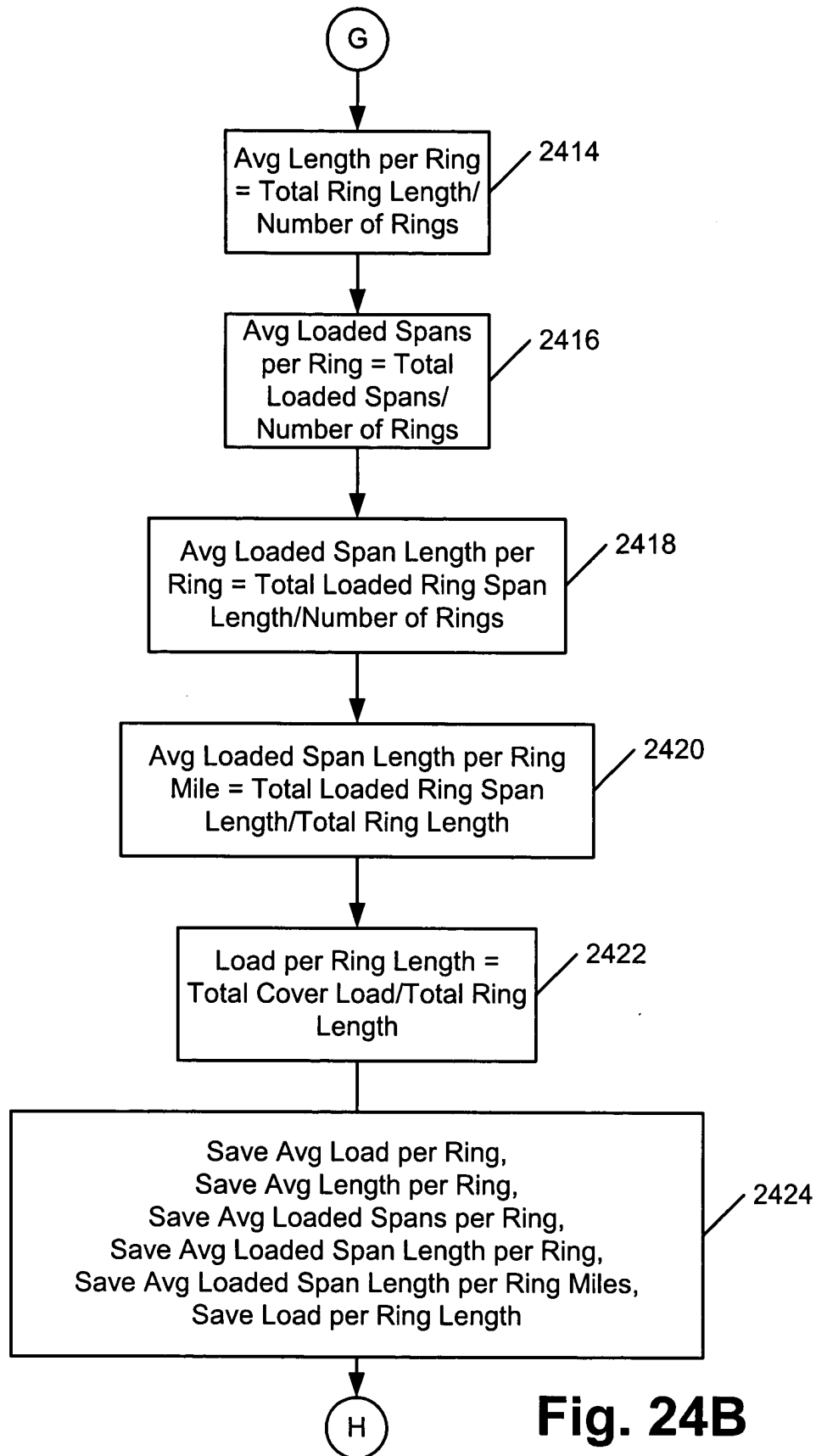
**Fig. 22B**

STATISTICS				
Cover	Recommended	Option A	Option B	Base
Length of the cover (in miles)	206416	210483	220403	64527
Maximum coverable spans	1412	1412	1412	1412
# of spans covered	882	863	882	393
% of spans covered	62.46	61.12	62.46	27.83
Max coverable loaded spans	734	734	734	734
# of loaded spans covered	645	645	645	217
% of loaded spans covered	87.87	87.87	87.87	29.56
Total length of loaded spans	73608	73608	73608	20715
# of rings	350	348	379	137

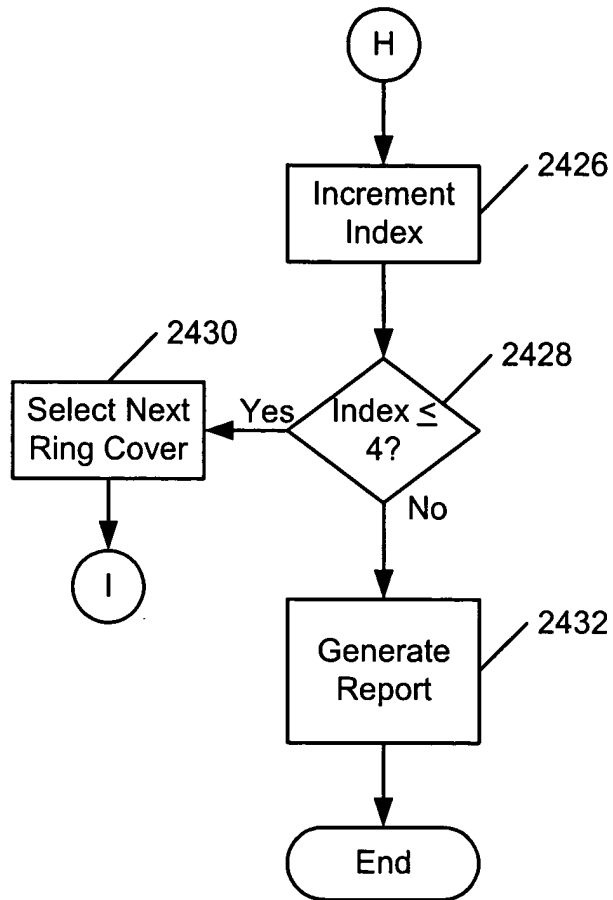
Fig. 23



**Fig. 24A**



**Fig. 24B**



**Fig. 24C**

PERFORMANCE MEASURES				
Cover	Recommended	Option A	Option B	Base
Ave Load/Ring	279.33	280.94	257.96	265.89
Ave Length/Ring	589.76	604.84	581.54	471.00
Ave Loaded Spans/Ring	1.84	1.85	1.70	1.58
Ave Loaded Spn-Length/Ring	210.31	211.52	194.22	151.21
Loaded Spn-Length/Ring-Length	0.36	0.35	0.33	0.32
Load/Ring-Length	0.47	0.46	0.44	0.56

**Fig. 25**

# RING RANKINGS FOR COVER RECOMMENDED

=====									
SPANS					BENEFIT/COST RANKING				
-----									
ID	MILES	TOTAL	LOADED	UNIQUE	RANK	WBC	Cum. Benefit	Cum. Cost	CBC Ratio
=====									
B0000171	93.30	3	3	3	1.00	1.00	93.30	93.30	1.00
A3DF00418	12.50	2	2	2	1.00	1.00	205.6	205.6	1.00
B0000092	522.80	2	1	1	0.50	1.00	758.70	758.80	1.00
A3DD321735	992.80	5	5	2	0.40	0.90	2081.70	2082.	1.00
A3DF00877	444.50	5	4	4	0.80	0.84	2569.70	2645.90	0.97
A3DD301249	1085.60	6	6	1	0.17	0.64	8647.20	9813.50	0.88
A3DD200893	666.90	5	4	3	0.60	0.58	16066.40	20220.00	0.79
A3DD322669	701.40	5	2	1	0.20	0.00	71966.91	18174.03	0.40
=====									

Fig. 26